

CLAIMS:

1. An electric shaver comprising:

a hand grip configured to be gripped by a user's hand,

a blade head provided on an upper end of said hand grip, said blade head

5 carrying at least one shaving unit comprising an outer blade foil and an inner blade
driven in a shearing engagement manner with said outer blade foil, said outer
blade foil having a plurality of holes in which hairs are introduced, said outer blade
foil being elongated and having a length and being curved along a width direction
to form a generally C-shaped cross section, said outer blade foil being curved
10 convexly and uniformly along its length to have a longitudinal curved outline,

wherein

a radius of curvature of said longitudinal curved outline is 150 mm to 350.

2. The electric shaver as set forth in claim 1, wherein

15 each of said holes of said outer blade foil has a shape having a major axis
extending generally along the length of said outer blade foil,
said holes being arranged in such a pattern as the major axes get longer gradually
as said holes near a longitudinal end of said outer blade foil from a middle part of
said outer blade foil.

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3. The electric shaver as set forth in claim 2, wherein

said holes are arranged in such a pattern as angles that the major axes of said
holes form with a longitudinal-direction axis of said outer blade foil become larger
as said holes near the longitudinal end of said outer blade foil from the middle part
25 of said outer blade foil.

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4. The electric shaver as set forth in claim 2, wherein

each of said holes leaves a rounded shoulder for contact with a user's skin along
its upper periphery,
30 radiuses of curvature of rounded shoulders become smaller as the holes near the

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middle part of the outer blade foil from the longitudinal end of the outer blade foil.

5. The electric shaver as set forth in claim 1, wherein
said generally C-shaped cross section of said outer blade foil has a transverse arc
5 having a uniform radius of curvature straddling an apex of said outer blade foil,
the radius of curvature of said transverse arc being in a range of 1.5 mm to 3.5 mm.

6. The electric shaver as set forth in claim 5, wherein
said blade head has a shape having a longitudinal axis and a transverse axis
10 perpendicular to each other,
said blade head carrying two said shaving units each of which is elongated along
the longitudinal axis of said blade head,
said two shaving units being disposed at opposite ends of said blade head along
said transverse axis in a spaced relation to each other.

15 7. The electric shaver as set forth in claim 6, wherein
said generally C-shaped cross section of said outer blade foil has a transverse arc
having a uniform radius of curvature straddling an apex of said outer blade foil,
said two shaving units being separated from each other at a distance of 0.5 to 2
20 times the radius of curvature of said transverse arc,
said distance being a distance between the apexes of said outer blade foils of said
two shaving units.

8. The electric shaver as set forth in claim 6, wherein
25 each of said shaving units is supported by said blade head in a floating manner,
said two shaving units being capable of being depressed independently from each
other by contact with a user's skin.

9. The electric shaver as set forth in claim 8, wherein
30 said two shaving units are configured to generate different skin contact pressures

when depressed by contact with a user's skin.

10. The electric shaver as set forth in claim 6, wherein
each of said two outer blade foils is supported by said blade head in a floating
5 manner at its longitudinal opposite ends,
each of said outer blade foils being capable of being inclined against a spring load
in such a manner as the longitudinal-direction axis of said outer blade foil intersects
with the longitudinal axis of said blade head at a certain angle as well as capable
of being vertically depressed against the spring load with its longitudinal-direction
10 axis kept in parallel with the longitudinal axis of said blade head,
said two outer blade foils being capable of being inclined and depressed
independently from each other relative to said blade head.